I. *An Account of ſome* EXPERIMENTS *lately made on Dogs, and of the Effects of Mr.* John Colbatch's *Styptick on Humane Bodies. By Mr.* William Cowper, *Surgeon.*

THE Report of Wonderful Cures wrought by Mr. *Colbatch*'s Styptick Pouder, ſo entertained the Expectations of divers Perſons, that amongſt others I thought my ſelf obliged to obtain ſome convincing Proofs of its Operations. A large Dog being provided, an Aperture was made through the common Integuments of his *Abdomen*, whence the ſmall Guts were extruded; after an Inciſion made in one of them according to its length, they were again reduced; the Wound in the *Abdomen* being ſtitch'd up, a Solution of this Pouder was applyed; the Dog continued without any ill Symptoms, and became perfectly well in few days after.

The like Experiment I have ſince made on another Dog, who in like manner recovered without the application of any Medicine. In a few days after the firſt Experiment was made, the Leg of the ſame Dog was Amputated three Inches above the *Patella*; the expence of Blood from the Arteries was great, which did partly proceed from the unaptneſs of the Applications which were prepared; but after two or three attempts the Flux of Blood was ſtopt, and ſuch a Bandage made uſe of as was neceſſary only to keep on the Dreſſings: The Dog continued without any conſiderable Flux of Blood, and the

the next day he was found on his three Legs. This Experiment raiſed our Expectations of the like Succeſs on Humane Bodies: Therefore it was tryed on a Man in St. *Bartholomew's Hoſpital*, whoſe diſeaſed Arm was Amputated above the Elbow; but for above a quarter of an hour's time many ſucceſleſs Applications of this Styptick were made, and at length a ſmall Tent dipt in the Pouder it ſelf inſerted into the extremity of the Bleeding Artery, before the Flux of Blood would admit the application of Bandage. Five hours after, a freſh Flux of Blood appeared, and ſtrict Bandage was applyed. The ſame Morning the above-mentioned Amputation was made, a Boy about Twelve or Fourteen Years of Age had his Leg alſo taken off below the Knee, to whoſe Stump divers ſucceſleſs Applications of this Styptick were alſo made, before it was bound up, and in leſs than an hour after, a freſh Flux of Blood happened, and ſtrict Bandage was added. Some hours after theſe Operations, both theſe Patients ſuffered extravagant Pains: Three days after, the Applications were taken off, and had any Perſon, a ſtranger to what had been done, ſeen the Stumps, he would have ſuppoſed nothing leſs than an actual Cautery had been applyed, or could have occaſioned ſuch large Eſcars, and ſo horrid an Appearance; which did ſufficiently denote this *Vulnerary Pouder* (as it's called in a late Publick Paper) to be a violent Cauſtick. The *Pouder* was applyed with all imaginable fairneſs, and in the Preſence of the Inventer, who I think has no Reaſon to imagine thoſe *Surgeons* who made uſe of it in the Hoſpital, had any Deſign to prevent its Succeſs, ſince it's well known *They* were rather Prejudiced in its Favour, than on the contrary.

Tryals

Tryals of *Stypticks* on the Bodies of *Quadrupedes* have been commonly practiſed to recommend *Them* to the Publick; but it is not without cauſe that Pretenders to ſuch Remedies have made choice of younger Animals, as Dogs and Calves, *&c.* for that purpoſe. But ſince the only Standard of their uſe is their Succeſs on the Humane Body, we ought to make our Experiments on thoſe Animals whoſe Magnitude and Age bear a Proportion to it: For, nothing is more obvious in Wounding the Arteries of Living Animals, than that the Protruſion of their Blood bears a Proportion to their Bulk: And in Diſſection, the Arteries of the *Fœtus* are remarkably thinner than thoſe of an Adult; and thoſe of Aged Bodies grow ſtill thicker, and frequently become Cartilaginous, and at length entirely Bony; of which Dr. *Tyſon* and my ſelf have ſeveral Pieces.